



1980

DICK SMITH
Electronics
New Decade
CATALOGUE

FREE 1979 APRIL MAGAZINE
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10th EDITION
75c



COMPUTERS

THE COMPUTER OF THE DECADE The Dick Smith System 80

Yes, we agree, the Tandy TRS-80 HAS BEEN the best selling microcomputer in the world. The original TRS-80 design is now over 2 years old, and the microcomputer technology 2 years is a long time. THE DICK SMITH SYSTEM 80 is fresh from the design laboratory and features the latest "STATE OF THE ART" techniques.

On its option, the greatest disadvantage of the TRS-80 is the fact that it is not S-100 Bus compatible, meaning that the large range of S-100 products (cassette players, disc controllers etc.) are not readily usable. This problem has now been solved with the DICK SMITH SYSTEM 80.

**HUGE PRICE
BREAKTHROUGH!**



Cat. X-4003

Also available
with 16K RAM
Cat. X-4005

\$695

With Level II BASIC (2K: built-in recorder;
disc controller tape; built-in TV monitor;
4K RAM.

★ **Complete with Tandy compatible Level II BASIC - so all Tandy programs are fully usable.**

★ **The System 80 expansion unit is S-100 Bus compatible - now Tandy software with an S-100 Bus - at a huge saving.**

★ **Video Monitor NOT NECESSARY - the System 80 simply plugs into a standard TV set (Save up to an additional \$250!).**

★ **Built-in cassette deck plus provision for an additional unit. (Tandy only allows the use of one!)**

BASIC SPECIFICATIONS: S-100 EXPANSION UNIT AVAILABLE SOON

● Z80 microprocessor ● Tandy cassette players, one built-in ● RF output direct to TV set (video output as well) ● 12K Tandy compatible BASIC ● 16 lines of 64 characters or 32 characters ● 128 x 48 graphics matrix ● Dick Smith backup ● Expansion with S-100 system.

MICROPOLIS QUAD DENSITY DISC DRIVES - Superb with your Sorcerer!

Thanks to Sorcerer's S-100 expansion capability, we can provide you with the best possible mini-floppy disc facility: the state-of-the-art MICROPOLIS 1043/1023 quad density system. You can have from one to four drives, giving you 1,280K bytes (yes - more than 1 Megabyte) of storage at an incredibly low cost.

With many personal and small business computers, you are forced to use the floppy disc system provided by the manufacturer. Often when there is first generation single density system, giving you very modest storage capacity at a correspondingly high cost per byte of information.

Because the Sorcerer's Expansion Unit uses the S-100 bus system, this limitation simply doesn't apply with Sorcerer. As a result, we have been able to select for you the best possible floppy disc system, from the enormous range of systems made for the S-100 bus.

The Micropolis 1043/1023 system represents third generation, state-of-the-art micro-floppy technology. It comes from Micropolis Corporation, the company which has done most to develop the 134mm (5 1/8") micro-floppy disc as a reliable high-density storage medium and a worthy successor to the 5 1/4" 205mm (8 1/4") disc. At the heart of the 1043/1023 system is "quad density" technology, developed by Micropolis. This packs as little as 72 tracks each of 16 storage sectors onto each disc, instead of the usual 35 or 40 tracks of only 10 sectors. The result is an incredible 315,000 bytes of storage on each disc - from FOUR to SEVEN times the capacity available on other systems. And you can expand the system to a total of ten drives, to give 1,280,000 bytes of storage - a massive 1.28 Megabyte!

Just as important as the actual capacity is the cost of storage and with the Micropolis you pay approximately HALF that of most competitive systems. So with Micropolis you get not only the highest possible storage capacity, but outstanding value for money.

With the Micropolis system you'll find devices the model 1043/mod 2. This comes with built-in power supply and disc controller board which plugs into the Sorcerer's S-100 Expansion Unit. You get all necessary cables, together with a comprehensive User Manual of more than 100 pages. You also get two discs, both of which contain the Micropolis Disk Operating System (MDOS), the very powerful Microsoft Version 4.0 software. This includes BASIC and a whole set of utility software including an assembler, a dynamic debugger, a file editor, printer drivers and various other utilities. To expand the system you can the 1043/mod 2 add-on drive. You can add up to three of these with the 1043/mod 2, with the 1043 disc controller board will control up to four drives. And if you drive with 1.28 Megabyte isn't enough, you can always add on second 1043 and some further 1023s!

So you can design the optimum disc system for your application, with as many drives as you need.

SPECIFICATION:

Micropolis 1043/mod 2: quad-density disc drive which uses 160 tracks-per-inch recording to give 72 tracks each of 16 sectors (total sector density: Storage capacity 315,000 bytes of storage per 134mm disc. Drives built in 250W power supply. Cables complete with connectors which plug into S-100 bus system, and separate power mount, 1.5 and two system discs with 1043/mod 2. External disc BASIC, an assembler, editor, debugger and other utilities. 1043/mod 2 controller includes standard ROM "hardware" in which is dynamic memory mapping. Controller will operate four drives. Micropolis 1023/mod 2: add-on drive with same storage capacity as the 1043/mod 2. Up to three 1023/mod 2 drives may be used with one 1043/mod 2, giving up to 1,280,000 bytes of storage. Add-on drive has own 240W main power supply.

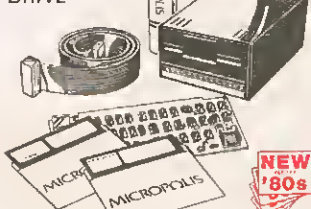
Micropolis 1043/mod 2 Drive with controller

Cat. X-3205 **\$1350.00**

Micropolis 1023/mod 2 add-on Drive

Cat. X-3208 **\$750.00**

**MICROPOLIS
QUAD
DENSITY
DISC
DRIVE**



**NEW
'80s**

FAN FORM PAPER

Successor to form paper with perforations for use with all tractor lead printers. Ideal for use with the Model B300 C.TDM printer. Size 24cm x 28cm.

Cat. X-1189 **\$35.00**

2,000 sheets

DISKETTES

133mm HARD SECTOR BLANK DISKETTE

This superior diskette is made in the United States of America by a leading manufacturer for the Micropolis disc systems.

Cat. X-3505 **\$5.95 each.**

10 cp \$5.00 each.

133mm SOFT SECTOR BLANK DISKETTE

Made for the Shugart type drive systems

Cat. X-3510 **\$5.95 each.**

10 cp \$5.00 each.

DOT MATRIX IMPACT PRINTER

**QUALITY AT
LESS
THAN
\$1,000!!**



**NEW
'80s**

The first model B300P matrix printer is a high performance unit that incorporates the latest microprocessor technology. This unit is priced below many printers offered by other companies but it also has a competitive price that can match out the full 85-character ASCII or a built-in 128 characters per second on a standard 10-cm paper. And you can't do better.

Basic Specifications: ● Bidirectional matrix type impact printer taking standard 8 1/2" x 11" paper between 115 and 240mm wide ● Print speed 120 characters/sec. Throughput speed 66 lines per minute ● Upper case (lower case ASCII) - 88 characters ● Format 8 x 7 dot matrix ● Character spacing 80, 40 or 132 columns ● Columns selectable ● 128-bit 80-byte character buffer, eliminating timing errors ● 16-bit software programmable vertical format ● Interface 7-bit parallel, Centronics type ● Interface connector available Cat. X-3112.

Cat. X-3255 **\$970.00**

LIGHT PEN IDEAL FOR USE WITH TANDY TRS-80 OR THE DICK SMITH SYSTEM 80



**TRS-80
LEVEL II
ONLY**

You could pay an absolute fortune for a light pen but Dick has made a superb purchase of light pens direct from the USA. Now you can draw on your computer monitor. Simple to use, great for use above all its educational.

● Use your computer as a screen ● Comes complete with a cassette containing two application programmes: Tic-Tac-Toe and "menu" display routine ● Give you TRS-80 or Dick Smith System 80 as "end" (also a list of other applications) ● Uses a 9V transistor battery Cat. X-3506 ● 400 (not supplied).

Cat. X-3845 **\$29.50**

DICK SMITH'S MINI DISC DRIVE FOR TRS-80 AND SYSTEM 80 OWNERS

This compact disc drive provides 128K of storage capacity of the Tandy drive yet costs less! Check the features list yourself:

- 133 4mm multiplastic disks
- 40 nodes instead of 35 - 14% more storage per side.
- Soft sectoring
- Double sectors per track on both sides - doubles the storage capacity
- Recording density (inside track) 2768bpi
- 100K bytes per side

Number of Drives:	FIRST DRIVE	2ND DRIVE	3RD DRIVE	4TH DRIVE
Mini Disc Drive (Cat. X-3230)	\$379.00	\$379.00	\$379.00	\$379.00
Power Supply Unit (Cat. X-3234)	\$90.00	N/A	\$90.00	N/A
Missing Manuals (Cat. X-3232) (for up to 4 drives)	\$49.50	N/A	N/A	N/A
DOS Diskette (100K) (for 1 drive)	\$19.95	N/A	N/A	N/A
Total cost of Dick Smith Drive	\$608.45	\$379.00	\$459.00	\$379.00

- Drive number is switch selectable
- Use as first drive or add-on drive with TRS-80 or System 80
- Power supply will run two drives
- Cable connects with two four drives
- 90 day warranty and Dick Smith Service Backup

So if you buy a 4 drive system from Dick Smith you SAVE a massive \$1,000+ plus you get more than DOUBLE the capacity that Tandy offers! (This saving is based on the latest Tandy price in January 1980).

POWER SUPPLY

Especially suited to the Dick Smith Mini Disc Drive. The unit has dual voltage (+5V & +12V) and will power TWO drives.

Cat. X-3234 \$90.00

DISC DRIVE CONNECTOR

34 way delay-chain cable for connecting a disc drive to your System 80 or TRS-80 expansion interface.

Cat. X-3232... \$49.50

"DOS PATCH"

Extends Tandy TRSDOS to take advantage of the 40 tracks on this disc drive. Also overcomes TRSDOS's other flaws as well.

Cat. X-3230... \$19.50

Cat. X-3230

GAMES THAT SORCERERS PLAY!

MAGIC MAZE

A challenging maze game. Test levels of play. Holding your lantern you wander through a maze trying to stay on the right path and avoid pitfalls. Automatic enemy kills you how good a pathfinder you are.

Cat. X-3620... \$14.95

PLOT

Plot includes both a super high resolution mode and a quick low resolution mode. Both are accessible from your BASIC program via a simple command. This is the way to get good graphics on your Sorcerer.

Cat. X-3621... \$17.95

Z-80 DISASSEMBLER

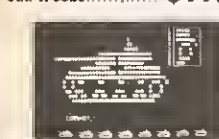
Decode machine language programs, including Sorcerer's modules and ROM-PACs, with this Z-80 Disassembler written in BASIC. Instructions mode prints out machine code and Zilog mnemonics in standard format. Or, the ASCII mode which converts machine code to ASCII.

Cat. X-3622... \$17.95

SHAPE MAKER

Construct special characters and fancy shapes with ease using this on-screen character editor. Detailed 12-page instruction booklet includes sample applications.

Cat. X-3623... \$17.95



DEBUC

Debug machine language programs by stepping through code one instruction at a time. Relocatable. Shows all display options. Multiple break points. Modify memory and registers.

Cat. X-3624... \$17.95

GRAPHIC GAMES

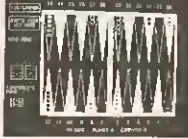
The most realistic game - the ultimate game to be laid on the mouse with a LEM, with nuclear and patience it can do more. Also includes play lock, nuclear reaction, laser, chicken and dogfight.

Cat. X-3631... \$14.95

SMART ALEC

You get the opportunity to answer over 200 questions on a variety of different subjects. If you are successful the computer will certify you a genius.

Cat. X-3632... \$14.95



FASTGAMMDN

Backgammon players will love this machine language program that provides a brilliant opponent with elite shape screen graphics. Comes complete with detailed 8 page booklet on the rules of Backgammon.

Cat. X-3625... \$22.95

ADVENTURE LAND

Travel through an enchanted world trying to recover 13 lost treasures. You will encounter wild animals and magic forests, and solve other puzzles and puzzles. Can you rescue the cat? Or find your way out of the maze of pits? Happy adventuring!

Cat. X-3633... \$19.50

PIRATE ADVENTURE

"Yo Ho Ho and a bottle of rum..." You'll meet up with the pirate and his daily bird doing with many other things as you attempt to get from your Lodecide Isle to Treasure Island. Can you recover Long John Silver's lost treasure?

Cat. X-3634... \$19.50

MISSION IMPOSSIBLE

Good morning, you mission is to... and so it starts. Will you be able to complete your mission in time? Or is the world of first command a defeat? (Is it doom?) This one's well earned. If it's hard, there is no magic but plenty of escapes. Good luck.

Cat. X-3635... \$19.50

VOODOO CASTLE

Coast Crito has had a headache and he's on him by his enemies. There he has, with you by his side. Will you be able to rescue him or is he forever doomed? Beware the Voodoo Man.

Cat. X-3636... \$19.50

SOFTWARE FOR YOUR TRS-80 OR SYSTEM 80

TIME TREK

For 4K Level I & II. You will need fast software as well as sharp wit to be the next Alexander the Great. With Klingons firing at you and you firing back it makes for a fantastic game. Has a nice level of difficulty.

Cat. X-3650... \$17.95

STIMULATING SIMULATIONS

10 games on one cassette, all original - an auction, a horse race, a master chess, a tactical navigation, a treasure, a business management, a gene fishing, a sea battle, a space fight and a diamond thief. Level I and II 4K RAM.

Cat. X-3652... \$17.95

ELECTRIC TRAINBRUSH

4K Level I & II. Game combining real time graphics displays at speeds far beyond BASIC by using "programs" consisting of simple graphics commands for a machine language interpreter. Commandable via draw line, turn command, change while in block, repeat practice steps or call other programs.

Cat. X-3654... \$17.95

YAHTEZEE

A variation on the popular poker dice game. 13 rolls for best score. Keep your score and lose.

Cat. X-3600... \$9.95

BLACKJACK

Play hit high stakes, will you win or lose? The ever popular 21's, blackjack, blackjack.

Cat. X-3602... \$9.95

WUMPUIS

Meet the mythical Wumpus through 20 rooms with a best box and mouse!

Cat. X-3604... \$9.95

BLOCKADE

4K Level I & II. You and your opponent try to make the other collide with a wall. Many variations.

Cat. X-3658... \$17.95

BRIDGE CHALLENGER

Practice and improve your play - whether you're expert or novice. Level I 4K RAM.

Cat. X-3656... \$17.95

MICRO CHESS

One of the top selling games in the USA for the TRS-80. Think of your moves because the computer is out to beat you.

Cat. X-3659... \$22.50

"TINY" PASCAL

Comes with "Tiny" Pascal for developing, debugging and running programs on your TRS-80. Provides powerful subset of standard Pascal statements including recursive procedures, local and global variables, if-then-else-then, peek and poke, while, for, repeat-until case and compile TRS-80 graphics. Comes complete with comprehensive and easy to read manual.

Cat. X-3670... \$49.50

SOME COMMON BASIC PROGRAMS

Law Poole & Mary Borchers - 193 pages

For the person with a computer using BASIC this is an excellent book, containing 76 programs. Includes BASIC program on investment, Gaussian Quadrature, letter programming, log depreciation, recipe code etc., etc. Ideal for the home computer or mainframe computer work for you.



Cat. B-2345... \$9.95

INTRODUCTION TO PASCAL

Wirth and Elder

"Highly recommended" says Jim Rowe. Pascal is the latest state of the art computer language - if you're a computer enthusiast, this 282 page reference will tell you all you want to know.



Cat. B-2365... \$13.95

BASIC AND THE PERSONAL COMPUTER

Dwyer & Crathfield

This book does not require you to have a University degree! 438 pages of superb information on BASIC written for the novice at the more advanced computer enthusiast. Covers games, art, graphics, business and much more as well. A highly recommended book that educates as well as being a lot of fun!



Cat. B-2330... \$14.95

VIDEO BRAIN KEYBOARD

Limited Stocks

Scope purchase of keyboards from a manufacturer who has gone broke! This is a full featured keyboard with 37 keys on a clever plastic double-sided PCB. Connections are made via a double ended edge connector (0.1"). All keys can be individually accessed by entering the PC keys. Keys contain all alphabet letters, D-R commands, shift, etc. etc. Ideal for computer enthusiasts.



Cat. X-1182... \$17.50

ONLY \$9.95